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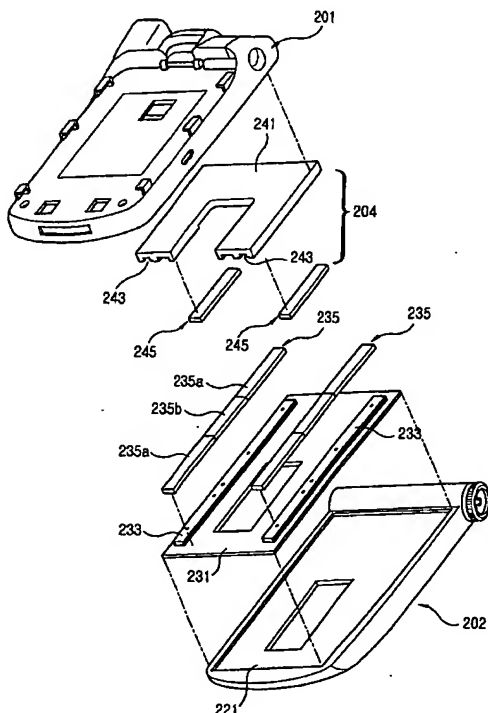
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MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
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[Continued on next page]

(54) Title: DRIVING APPARATUS USING MAGNETIC SUBSTANCE FOR SLIDING TYPE PORTABLE WIRELESS TERMI-
NAL



(57) Abstract: A driving apparatus enables a sliding-type portable wireless terminal to be opened or closed with reduced noise and through multiple stages of opening. The portable wireless terminal may have various functions corresponding to each of the multiple stages. The driving apparatus comprises: a main body; a sub body sliding in a longitudinal direction of the main body, so as to be opened from or closed onto the main body; a first magnetic module provided at a rear surface of the sub body and having a first magnet, the first magnet having a first polarity and extending in a longitudinal direction of the first magnet; and a second magnetic module provided at a front surface of the main body and having a second magnet, the second magnet having a second polarity and being opposed to the first magnet.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04B 1/38**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B1/38, H04M 1/02, H04Q 7/32, H05K 5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A | KR 2002-74870 A(SK TELETECH CO., LTD) 04. OCTOBER 2002 the hole document | 1 |
| A | JP 09-205476 A(HITACHI CO., LTD) 05. AUGUST 1997 the hole document | 1 |
| A | KR 2003-27212 A(SAMSUNG ELECTRONICS CO., LTD) 07. APRIL 2003 the hole document | 1 |

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|---|---------------------|----------------------------|---------------------|
| KR 2002-74870 A | 04. 10. 2002 | NONE | |
| JP 09-205476 A | 05. 08. 1997 | NONE | |
| KR 2003-27212 A | 07. 04. 2003 | NONE | |